

# *Social Science Research*

*A Quarterly Journal of  
Social Science Methodology  
and Quantitative Research*

ACADEMIC PRESS, INC.

*Harcourt Brace Jovanovich, Publishers*

San Diego New York Boston  
London Sydney Tokyo Toronto



*Volume 19, 1990*

Copyright © 1990 by Academic Press, Inc.  
All Rights Reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owner.

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use, or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc. (27 Congress Street, Salem, Massachusetts 01970), for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Copy fees for pre-1990 articles are as shown on the article title pages; if no fee code appears on the title page, the copy fee is the same as for current articles.

0049-089X/90 \$3.00

MADE IN THE UNITED STATES OF AMERICA

This journal is printed on acid-free paper.



## **Contents of Volume 19**

### **Number 1, March 1990**

LOWELL L. HARGENS AND JERALD R. HERTING. A New Approach to Referees' Assessments of Manuscripts .....	1
JOHAN FRITZELL. The Dynamics of Income Distribution: Economic Mobility in Sweden in Comparison with the United States .....	17
CRAIG ST. JOHN AND NANCY A. BATES. Racial Composition and Neighborhood Evaluation .....	47
SARBARA STANEK KILBOURNE, FRANK HOWELL, AND PAULA ENGLAND. A Measurement Model for Subjective Marital Solidarity: Invariance across Time, Gender, and Life Cycle Stage .....	62
JUDITH A. SELTZER AND IRWIN GARFINKEL. Inequality in Divorce Settlements: An Investigation of Property Settlements and Child Support Awards .....	82

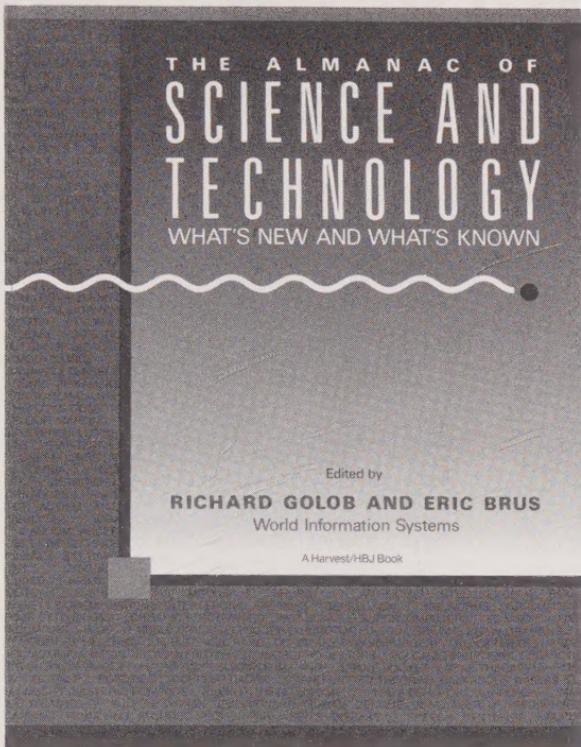
### **Number 2, June 1990**

WILLIAM B. STEVENSON. Formal Structure and Networks of Interaction within Organizations .....	113
F. KIKER AND YING CHU NG. A Simultaneous Equation Model of Spousal Time Allocation .....	132
HERYL R. TYNES. Educational Heterogamy and Marital Satisfaction between Spouses .....	153
MARY C. BUTLER. The Effect of Welfare Guarantees on Children's Educational Attainment .....	175

### **Number 3, September 1990**

LOWELL L. HARGENS AND HOWARD SCHUMAN. Citation Counts and Social Comparisons: Scientists' Use and Evaluation of Citation Index Data .....	205
AHLIA MOORE AND GIDEON FISHELSON. Determinants of Positions in an Industrial Organization: An Israeli Example .....	222
WARREN E. SHERKAT. Some Theoretical and Methodological Objections to Stephan-Deming Adjustments to Religious Mobility Tables .....	239

JEFFREY A. BURR, OMER R. GALLE, AND MARK A. FOSSETT. The Retrospective Construction of Metropolitan Areas for Longitudinal Analysis: An Application to Racial Occupational Inequality .....	250
KENNETH I. SPENNER AND RACHEL A. ROSENFIELD. Women, Work, and Identities .....	266
IN MEMORIAM	
JAMES D. WRIGHT. In Memoriam: Richard J. Hill .....	300
Number 4, December 1990	
DONALD E. GREEN. Measuring Self-Reported Deviance: Cross-Sectional or Panel Data? .....	301
MICHAEL EPELBAUM. Sociomonetary Patterns and Specifications .....	322
ARNE L. KALLEBERG AND TOM COLBJØRNSEN. Unions and the Structure of Earnings Inequality: Cross-National Patterns .....	348
JOHN SKVORETZ AND SHELLEY A. SMITH. Changing Reward Structures and Population Distributions: An Aggregate Analysis of Earnings Inequalities in the 1980s .....	372
AUTHOR INDEX FOR VOLUME 19 .....	399



"The Almanac will have enormous educational value for a wide audience, ranging from high school students to professional scientists. The book is both accessible and comprehensive."

-Jay A. Winsten, Ph.D.

Assistant Dean, Harvard School of Public Health  
Director, Center for Health Communication

"An impressively thorough, accessible, and up-to-date guide to the hottest areas in the major fields of science." -Kirkus Reviews

"Superb!" -Dudley Herschbach, Baird Professor of Science, Harvard University



Harcourt Brace Jovanovich, Publishers

NY-1

For telephone orders,  
call toll-free 1-800-543-1918  
Available in hardcover and paperback

# Significant Works in Statistics

## Optimization of Stochastic Systems

Topics in Discrete-Time Dynamics

Second Edition

Masanao Aoki

This major revision of the first edition addresses optimization problems stated in stochastic difference equations, which often contain uncertain or randomly varying parameters. This book presents a set of concepts and techniques useful in analyzing or controlling stochastic dynamic processes, with possible incompletely specified characteristics. In particular, it discusses basic system properties, such as:

- ▼ stability and observability
- ▼ dynamic programming formulations of optimal and adaptive control problems
- ▼ parameter estimation schemes and their convergence behavior
- ▼ solution methods for rational expectations models using martingale differences.

October 1989, 432 pages, \$64.95

ISBN: 0-12-058851-X

## Probability, Statistics, and Mathematics

Papers in Honor of Samuel Karlin

edited by

T.W. Anderson, Krishna B. Athreya,  
and Donald L. Iglehart

This volume, written in honor of Samuel Karlin's 65th birthday (June 8, 1989), consists of 24, never-before-published papers written by prominent probabilists, statisticians, mathematicians, and economists on topics of current interest in their respective fields. Most of the authors have been collaborators of Ph.D. students of Samuel Karlin and the contributions are related to many topics that he has developed. Each an expert who has contributed his latest research or exposition.

October 1989, 416 pages, \$39.95

ISBN: 0-12-058470-0

## Introduction to Probability Models

Fourth Edition

Sheldon Ross

"[A] concise, well-written introduction to probability theory and stochastic processes...contains many excellent examples and problems."

—THE AMERICAN MATHEMATICAL MONTHLY

This popular textbook introduces elementary probability theory and stochastic processes to students in a way that encourages them to think in a probabilistic manner. The fourth edition adds material about new applications to communication protocols, quality control, and computational results. Problems are included at the end of each chapter.

June 1989, 560 pages, \$44.50

ISBN: 0-12-598464-2

## Multivariate Statistics and Probability

Essays in Memory of  
Paruchuri R. Krishnaiah

edited by  
C.R. Rao and M.M. Rao

This volume looks at current research in multivariate statistical theory and applications as well as probability theory and stochastic processes. The statistical articles deal with both the exact sampling theory and asymptotic analysis, and the articles in probability and stochastic processes treat a broad spectrum of topics, including the central limit theory for dependent and vector variables and the speed of convergence. Researchers from applied statisticians to abstract probabilists, and those interested in decision theory and foundations will find this collection of interest.

October 1989, 584 pages, \$59.95

ISBN: 0-12-580205-6

## Robustness of Statistical Tests

Takeaki Kariya and Bimal K. Sinha

Much of statistical methodology in multivariate analysis is concerned with models in which the underlying observations are assumed independently to follow multivariate normal distributions. In practice, the assumption of the normality is difficult to verify or simply may not be true. The object of this book is to develop a general systematic finite sample theory on the robustness of tests and to apply it to many important testing problems commonly considered under normality.

March 1989, 208 pages, \$44.95

ISBN: 0-12-398230-8

## Forthcoming in March Regression Estimators

A Comparative Study

Marvin H.J. Gruber

Ridge type estimators are carefully derived as special cases of Bayes, Mixed, and Minimax estimators. This book compares and contrasts the similarities and differences in the derivations and mathematical forms of the estimators resulting from these three different points of view.

March 1990, c. 320 pages

\$49.95 (tentative)/ISBN: 0-12-304752-8



## ACADEMIC PRESS

Harcourt Brace Jovanovich, Publishers  
Book Marketing Department #13010  
1250 Sixth Avenue, San Diego, CA 92101

CALL TOLL FREE  
**1-800-321-5068**

Quote this reference number for free postage &  
handling on your prepaid order → 13010

Prices subject to change without notice. ©1990 by Academic Press  
All Rights Reserved. CB/KR — 13010